

Notice of Allowability

Application No.

09/829,001

Examiner

Un C Cho

Applicant(s)

ANDERSSON ET AL.

Art Unit

2687

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 14 July 2004.
2. ☒ The allowed claim(s) is/are 2,3,5-25,27,28 and 30-52.
3. ☒ The drawings filed on 14 July 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Drawings

1. The drawings were received on 7/14/2004. These drawings are accepted by the examiner.

Allowable Subject Matter

2. Claims 2, 3, 5 – 19, 20 – 25, 27, 28, 30 – 52 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Regarding claim 8, IEEE article written by Eneroth and reference by Rune, either alone or in combination discloses establishing plural distinct connection segments between a device (Diversity Handover Unit (DHO)) at the second radio network control node and the base station controlled by the second radio network control node (Rune, Fig. 2). However, Eneroth, Rune, and Goran either alone or combination does not specifically disclose establishing as one of plural distinct connection segments comprising a radio connection involving a user equipment unit, a connection segment between a first device at the second radio network control node and a base station controlled by the second radio network control node, establishing as another of the plural distinct connection segments, a connection segment between the first device at the second radio network control node and a second device at the second radio network control node.

Regarding claim 20, IEEE article written by Eneroth and reference by Rune, either alone or combination discloses the node-transcending one of the

plural connection segments However, Eneroth, Rune, and Goran either alone or combination does not specifically disclose that the node-transcending has a connection point at a given node, the given node being one of the first radio network control node, the second radio network control node, and the base station, wherein the given node has a call control process in a call layer which is separated from a connection control process in a connection layer, and wherein the method further comprises the call layer control process obtaining a binding reference to represent the connection point.

Regarding claim 33, the claim is interpreted and allowed for the same reason as set forth in claim 8.

Regarding claim 45, IEEE article written by Eneroth, Rune and Goran, either alone or combination does not specifically disclose wherein each of the first radio network control node, the second radio network control node, and the base station controlled by the second radio network control node each have a call control process in a call layer which is separated from a connection control process in a connection layer and wherein at least one of the first radio network control node, second radio network control node and the base station controlled by the second radio network control node having an application programmable interface between the call layer and the connection layer.

Regarding claim 47, the claim is interpreted and allowed for the same reason as set forth in claim 20.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Un C Cho whose telephone number is (703) 305-8725. The examiner can normally be reached on M ~ F 8:00AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (703) 306-3016. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


SONNY TRINH
PRIMARY EXAMINER

Un C Cho
Examiner
Art Unit 2687

1/12/05 UC